

ANCHORAGE AMATEUR RADIO CLUB

PRESIDENT - ED BOSCO - WL7BOR - 345-4530
CLUB PHONE: 345-0719

MAY

1991

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May 3rd General Meeting 7:00PM Spenard Rec Center 2020
W. 48th Street Anchorage

Program: "Film by KL7YF-Rick & NL7DL-Lil"

May 4th Walk For Hope

May 8th AARC Board Meeting 7:00 PM Hope Cottage Conference
Rm. 540 W. International Rd.

June 7th General Meeting "Election of Officers"

June 12th AARC Board Meeting "New and Old Officers"

June 22/23 "Field Day" Site to be Announced

* * * * *

MESSAGE TO THE CLUB FROM MOSCOW - From Rebecca Gibson, daughter of Anne-AL7KM,
The helped Rebecca, with a portion of her expenses for the trip.

Dear AARC, March 14, 1991

I am now in the USSR.
We arrived in Moscow, March

12, 1991. We have
been busy all day
everyday. We have
been to Red Square,
and yesterday,
we went inside
the Kremlin. Inside
the building we took
no photographs, as we
weren't allowed, but

outside, we took
a few pictures.
It was snowing

МОСКВА. Государственный Большой театр СССР.
Фото В. Гаспарова

Министерство связи СССР. 1990 г. № 21. 05. 90. Ц. 6. *

Индекс предприятия связи и адрес отправителя

marketers are every-
where. "Do you
want to buy a
watch?"

© Thank you for your
Rebecca Gibson.



MINUTES - GENERAL MEETING APRIL 5, 1991

The meeting was started with introductions @ 1910. After a couple of short announcements we had our program. Louise Stewart of the Anchorage FCC Field Office was our Speaker. The main portion of her talk was regarding RFI problems. When she started 14 years ago the complaints were about CBers, but now they are starting to be about Ham interference. We know that RFI is getting into many Home electronic devices because they are not properly shielded when built. However, Louise stated that she has only known of one person who complained to the manufacturer and had them correct the problem. So, if we have complaints, the correct place to complain is to the manufacturer. The more complaints they get the more they may do about it. Then after about 40 minutes of Question/Answer time, Louise ended by passing out a sheet showing the number of fines levied to those who operate on unauthorized frequencies. Her talk was well received by all. Thanks Louise!!

Break -

NL7UH - Bob asked for help with Scout-O-rama on April 20th;
NL7KN - Dianna asked for help with an event on May 18th; and
KL7ITI - Bill asked for help with Walk For Hope on May 4th.

Nominating Committee -

NL7NN-Susan, NSFYW-Keith, KL7EB-Daniel, and Catherine Flint-(XYL and soon to be Ham) of KL7JQH have volunteered to be our Nominating Committee.

Flea market -

NL7NN - Susan, Flea Market Chairman thinks we will have the Flea Market early in September.

Drawings-

Lots of good prizes taken home.

Meeting adjourned @ 2130+-

Reported by Editor NL7DK

AARC Board Meeting April 10, 1991

Meeting called to order at 1910 by Ed-WL7BOR. Those in attendance were: KL7YF, KL7HD, KL7IKX, NL7NN, AL7BB, NL7DK, KL7IZZ, NL7DL, KL7HM, NSFYW, KL7HFM, AL7BK, KL7ITI, KL7NR and NL7UH.

Gaming account is solvent-

Highway Clean-up- KL7IZZ-Harley has talked with a Margaret Holland with the state concerning the club taking on a clean-up of a portion of the Seward highway near Potters Marsh. The state wants a 2 year committment. They would furnish vests, bags and a truck. They would ask for clean-ups in May, July and September. More as we hear.

Nominating Committee- Has started work.

Flea Market- Several spots for Flea Market, but nothing for certain. Everyone should look and let Susan-NL7NN know.

Club now has a Homelite 1700 Watt generator.

Boy Scout Project- Bob-NL7UH reported on the Scout Project and was pleased. 21 of 23 boys completed their projects.

Bike Ride Plus May 18th will need Hams for Checkpoints. Contact Dianne-NL7KN.

Letter of Appreciation has gone to KYAK. New Engineer for them is Terry-AL7CE so lucky us.

General discussion then meeting adjourned at 1945.

NOTICE NOTICE

PAUL JENDRYK-NL7BJ will be putting out the Newsletter for the Month of JUNE. If you have anything for the Newsletter try to get it to Paul by the 17th to give him plenty of time. His phones are: Home 248-5312; Work ~~564-9611~~ 562-2211x3456 Please give him any help that he may ask for. Thanks. Harvey NL7DK

May

	CALL	FROM	TO
ANCHORAGE			
ROBERT S. FLINT	KL7JHQ	TECHNICIAN	GENERAL
FREDRICK M. GOODWIN		NO LICENSE	N.C. TECHNICIAN
JAMES GODWIN SR.	AL7MV	ADVANCED	AMATEUR EXTRA
MERLIN W. HARLAMERT JR.		NO LICENSE	NOVICE
MACK H. HUMPHREY		NO LICENSE	N.C. TECHNICIAN
DWIGHT E. HUNTER		NO LICENSE	NOVICE
LOWELL A. KRISE		NO LICENSE	NOVICE
CHARLES M. MOORE		NO LICENSE	GENERAL
WILLIAM J. RAYNSFORD	AL7JK	ADVANCED	AMATEUR EXTRA
EDDIE P. PARROTT		TECHNICIAN	GENERAL
BIG LAKE			
BYERS LAKE			
EAGLE RIVER			
LARRY H. BEVIL	KB8IMI	NO LICENSE	N.C. TECHNICIAN
EUGENE A. DIEMER II		NOVICE	H.F. TECHNICIAN
KEITH A. FENRICH	N5FYW	GENERAL	ADVANCED
CATHERINE FLINT		NO LICENSE	H.F. TECHNICIAN
LEONARD L. SMITH		NO LICENSE	N.C. TECHNICIAN
FAIRBANKS			
KEVIN C. ABNET		NO LICENSE	N.C. TECHNICIAN
CHARLES L. BEAUDREAULT	WL7BYU	NOVICE	H.F. TECHNICIAN
JOHN BENEVBENTO		NO LICENSE	N.C. TECHNICIAN
PATRICK M. BOOKEY SR.	WL7BYX	TECHNICIAN	GENERAL
DON W. CHURCHILL	NL7HH	ADVANCED	AMATEUR EXTRA
LINDY G. DANIELSON		NO LICENSE	N.C. TECHNICIAN
LARRY W. FLANAGAN		NO LICENSE	H.F. TECHNICIAN
MARK E. HELMER	WL7CBA	NOVICE	ADVANCED
VIRGIL W. HOPPE	NL7VB	TECHNICIAN	GENERAL
KERRY L. Mac LACHLAN		NO LICENSE	NOVICE
AL H. NEAR	NL7VK	TECHNICIAN	ADVANCED
JESSE M. PERRY		NO LICENSE	NOVICE
COLLIN L. READ	WL7CBF	NOVICE	H.F. TECHNICIAN
JOHN H. REESE II	WL7CAZ	NOVICE	H.F. TECHNICIAN
THOMAS A STEWART SR.		NO LICENSE	NOVICE
JUNEAU			
SOLDOTNA			
CLYDE L. BENNISH JR.	NL7VH	GENERAL	ADVANCED
JIMMIE W. JAMES	NL7KZ	GENERAL	ADVANCED
LOREN E. JOHNSON JR.	WL7CBG	NOVICE	H.F. TECHNICIAN
VALDEZ			
WASILLA			
MICKEY W. BETTIS		NO LICENSE	N.C. TECHNICIAN
MELODY D. COOPER		NO LICENSE	N.C. TECHNICIAN
KEVIN G. FORSTER	NL7UK	GENERAL	ADVANCED
BRENDA L. PLESSINGER	AL7LX	ADVANCED	AMATEUR EXTRA
WILLOW			

NOTE (N.C. TECHNICIAN=NO CODE TECHNICIAN)
 (H.F. TECHNICIAN=TECHNICIAN WITH H.F. PRIVILEGES)
 submitted by Roger Hansen, KL7HFQ, VEC Director)

ROSTER UPDATES

Effective April 1, 1991

NEW MEMBERS

	Bevil, Larry H. 99516	3850 Taiga Dr. W:266-8500	Anchorage	AK
N4TXF	Dzurovcin, Dean 99504	6930 Tamir Av. W:552-5555	Anchorage	AK
NL7VY	Fenrich, Debra S. 99505	137-A Juneau Av. H:428-3389 W:862-7222	Ft. Richardson	AK
AL7LG	Hunt, Robert A & Betty 99516	14900 Sierra Wy. H:345-6543 W:271-4176	Anchorage	AK
KB7CAX	Peters, Leon R. 98022	44608 228th Av. SE 206-825-3372	Enumclaw	WA
NL7UV	Tice, Clifford 99507	2813 Bass H:349-4358	Anchorage	AK

CHANGES, ETC.

NL7UH Baker, Sr, Robert - Add work phone - 343-6509
 KL7TG Berg, Blaine - DELETE - Membership Lapsed
 NL7RE Berg, Linds - DELETE - Membership Lapsed
 NL7LN Brenner, Jim - DELETE - Membership Lapsed
 NL7TC Brenner, Susan - DELETE - Membership Lapsed
 AL7JN Cowles, Ron - Change Work Phone to 269-1139
 NL7WD Cuddeback, Ken - Change address to - 10114 Ronald Pl., Eagle River,
 AK. 99577 - Change Phone Nrs to: H:696-4442 and delete work nr.
 KL7FB Hazlitt, Chris - DELETE - Membership Lapsed
 KL7JGU Jennings, Jay Ivan - Change address to: 14-9125 Robinson #2A, Overland
 Park, KS 66212
 NL7PV Keener, Blaine R - DELETE - Membership Lapsed
 KL7SE Kletka, Fred - Change Apt. to Apt. B
 NL7ME Lattimore, Clare - DELETE - Membership Lapsed
 NL7HE Martin, Kathy - DELETE - Membership Lapsed
 NL7HD Martin, Patrick - DELETE - Membership Lapsed
 KL7DZE Naumann, Mike - Change Home Phone Nr to 563-3952
 NL7HA Sheffield, T.J. - DELETE - Membership Lapsed
 KL7IJ Stewart, George L - DELETE - Membership Lapsed
 KL7NK Talbott, Joseph - Change Address to 1319 W. 13th Av, Anchorage, Ak.
 99501-4256
 NBJLO Traylor, Dan - Change address to 2412 Pine St., Everett, Wa., 98201-
 3230 and delete phone nrs.

Coordinated VHF/UHF Packet Frequencies

The following frequencies have been coordinated statewide for FM packet operations.

144.910 - TCP/IP operations.

144.990 - point to point at non-standard baud rates, ie:300 or 600 etc.

145.010 - LAN's and WAN's (LOCAL area networks, and WIDE area Networks)
Bulletin Board systems, ChatNodes, Gateways etc.

145.030 - LAN's and point to point.

145.050 - LAN's WAN's, Gateways, Bulletin Board operations, point to point.

145.070 - point to point

145.090 - point to point

147.960 - ICEWORM WAN, and Secondary Gateways.

445.010 - point to point high speed ie 2400b.

445.030 - point to point

445.050 - LAN's, Gateways and point to point,

Local options for other frequencies, such as used in Ketchikan are open to local preference.

Please try to avoid FM repeater pairs, and especially try to avoid EME and Satellite sub-bands.

As a general guideline for frequency coordination with packet operation, the following are the 2 meter satellite uplink frequencies and the respective satellite.

Oscar 14 - 145.975 mhz. - 9600 baud FSK uplink

Oscar 16 (Pacsat BBS) - 145.92/94/96/98 mhz. - 1200 baud
Manchester coded modulation uplink;

Oscar 19 (future BBS) - 145.84/86/88/90 mhz. - 1200 baud
Manchester coded modulation uplink; and

Fuji Oscar 20 - (store & forward BBS) - 145.85/87/89/91
mhz. with 1200 baud Manchester coded modulation uplink.

Downlink takes place in the 435.9 to 437.15 mhz portion of the 70 cm. band.

Note that the above Manchester coded uplinks use a standard 2 meter FM transmit, fed through both a standard TNC-2 and G3RUH type modem, i.e., Paccomm PSK-1. Downlinks use a PSK downlink, with the exception of DOVE, which is a receive only satellite that downlinks on 145.825 with standard 1200 baud AFSK, copiable on a standard TNC.

See the ARRL 2 meter and 70cm band plans TO BE SURE YOUR NOT in the wrong place!

Packet is a great mode, BUT NOT EVERYONE loves the sounds of Packet, and certainly not on their favorite simplex or other mode frequencies. Please be carefull where you pass your packets.

If your using a multi-use radio, ie:handheld, PLEASE CHECK YOUR OFFSET BEFORE starting packet operations!

Subject: TELINK

R:910404/0732z @:KL7AA.#NAK.AK.USA.NA Anchorage,Ak. #:2870 O:NL7NC
R:910404/0659 @:NL7NC.#NAK.AK.USA.NA AO-16 Gateway,Anchorage,AK #:2591 Z:99504

I am pleased to announce that both KL7AA and NL7NC bbs's are have joined the TELINK network. TELINK is a network of 12 bbs stations across the U.S. that forward traffic and selected bulletins via landline.

NL7NC in Anchorage has established daily TELINK service to AA6QD in Santa Barbera, CA. One call is made daily. Any outgoing traffic that has not been sent through the AO-16 satellite gateway is forwarded, and reverse forwarding of bulletins is also done

This call is made at 10:05 PM AST. Once the call is made and forwarding occurs, messages will be delivered to via the other TELINK stations within a matter of hours across the U.S.

If you have traffic to forward, make sure it gets to NL7NC prior to 10:00 PM for the fastest service.

Thanks, and if you have any questions. let me know.

73s, John

Subject: AO-16 PROVIDES LINK TO ALASKA
Path: AA6QD!WW6L!N6QDC!AA4RE!N6QMY!N6IYA!KA6FUB!N6ECP ...

TO ALL RADIO AMATEURS BT

AO-16 Used To Pass Message Traffic From Lower "48"

A satellite gateway has been established between Alaska and the contiguous U.S. The gateway, which utilizes the AMSAT AO-16 PACSAT satellite and the Argentinian LO-19 LUSAT satellite, has been in operation since early February between NL7NC, John Lawson, in Anchorage and KI6QE, Dave Medley, Los Osos, California. The gateway provides reliable same day delivery of packet traffic to most locations in Alaska regardless of HF propagation conditions. To send Private or NTS traffic to Alaska via the satellite, one of the following routing methods may be used:

1. All traffic with hierarchical address AK.USA.NA received by AA6QD.#CENCA.CA.USA.NA is automatically routed to KI6QE via a 24 hour mailbox. No special addressing is required.
2. Trafic may be routed to KI6QE @ W7AZF.#CENCA.CA.USA.NA or to KI6QE @ AA6QD.#CENCA.CA.USA.NA but in this case the hierarchical address line and the subject line must be the first two lines of the text.

All traffic not following the above will be routed by presently operating HF gateways.

A more detailed description of this activity will appear in an upcoming AMSAT Journal.

[ANS would like to thank KI6QE for the information in this bulletin.]

Once again we get news of New Hams in Bethel. Our Club member Allan Wintersteen KL7IEI has turned out another fine group. Thanks for all your good work Allan.



"Call me sometime!" Kilbuck Elementary School ham radio operators display their license numbers. According to instructor Allen Wintersteen, in order to obtain an operator's license, students must pass a written exam and know Morse code. Bottom row from left: Sterling Graham, Ty Hulse, Sara Ellsworth, Jaclyn Mojim, Yvonne Mockta. 2nd row: Beth Reardon, Tracey Anderson, Maria Maze, Michelle Grant. Top row: Connie Peters, Matthew Peter, Rebekah Peter, Allan Wintersteen, Mary Reardon, Sue Angstman, Andy Angstman, M.J. Franks, Jacques Longpre.

KL7AA Repeater - 146.94/34 Anchorage, Alaska

Emergency Numbers	Telephone Autopatch Procedure
911 Emergency	
912 Anchorage Police, routine	Personal autodial (code) is _____ #
913 Alaska State Troopers, routine	
914 Elmendorf Police	Say callsign and "for autopatch"
915 Ft. Richardson Police	Enter 0 * (code), unkey
916 Enstar	Response "control up"
917 FAA Flight Service	Enter * (phone num), unkey
918 Anch Traffic Light Dispatch	Response "autopatch on (phone num)"
	Talk to called party
	End call, enter # to hang up
	Enter 0 * *, unkey
	Response "control down"
	Sign off with callsign

from KL70A/KL7JES Rev 2.0 2-3-90

For information on Personal autodial CODE contact KL7YF @ 277-6741

ALASKA REPEATERS

	Output	Input	
Anchorage	146.94	146.34	KL7AA
	147.30	147.90	KL7ION
	* 146.67	146.07	
	224.94	223.34	KL7AA
	444.70	449.70	KL7AA
	146.82	146.22	KL7KC
Delta Jct	147.09	147.99	KL7GG
Fairbanks	146.88	146.28	KL7KC
Haines	146.94	146.34	KL7CQF
Homer	146.91	146.31	KL7JL
Hope	146.79	146.19	AL7EB
Juneau	147.30	147.90	KL7TV
Kenai	146.82	146.22	KL7IEJ
Kodiak	146.76	146.16	KL7AF
Mat Valley	146.85	146.25	KL7JFU
Soldotna	146.73	146.13	KL7JDR
Wasilla	146.64	146.04	KL7DOB
Valdez	146.94	146.34	KL7GQ

* Iditarod Link

Rotary Beams by Gale Allred KL7G

Measure elements length from tip to tip. Measure Spacing from element center to center.

Don't forget all Measurements are in FEET.

If a measurement is 32.79 feet, set the 32' a side and multiply .79 by 12= 9.48 Inches. The length would be 32' 9 and 1/2"

Remember, to change tenths or hundredths of a foot into inches multiply by 12.

6 Element Beam

Elements tip to tip > 34.59 Ft.

	33.04 Ft.					
<u>6 El.</u>		32.05 Ft.	32.06 Ft.	32.01 Ft.	31.94 Ft.	
<u>Frequency of Antenna</u>						
in MHz = 14.2						
	A	B	C	D	E	
	>[] > 62.2 Foot Boom					
Element Spacing						
A = 0.2						
B = 0.17						
C = 0.2	13.86	11.78	13.86	11.78	10.39	
D = 0.17	Ft.	Ft.	Ft.	Ft.	Ft.	
E = 0.15	<Space>	Spacing	Spacing	Spacing	Spacing	
In Wavelength						
Reflector	Driven	1st Dir.	2nd Dir.	3rd Dir.	4th Dir.	
Element to Boom > 17.29 Ft.	16.52 Ft.	16.03 Ft.	16.03 Ft.	16.01 Ft.	15.97	

FOR SALE 20 meter antenna approx as shown above, with 100+ foot Pole (with track for raising-lowering antenna), rotator and coax. Asking \$10000 Or Best Offer. Also 15 pieces of 10 foot Aluminum conduit for antennas. Call Kathy Allred, widow of Gale-KL7G @ 345-1209 for details.

The following copied from: W5YI Report of April 15,1991

FCC RELEASES INSPECTION RESULTS

Just before we went to press, the FCC released information about the controversial Amateur Survey it made on February 26 and 27. Through interviews with affected hams and FCC officials, Our April 1 issue revealed that hams nationwide were targeted for intensive data gathering by all 35 FCC Field Offices. The offices inspected 209 amateur stations, of which 31 were the subjects of interference complaints.

The purpose of the study was, in the FCC's words, "to determine compliance with the Section 97.31(a), 47 CFR 97.313(a), requiring the use of minimum transmitter power." (47 cfr refers to Title 47 of the Code of Federal Regulations, which contains Part 97.)

"The study also examined the link between operating power and interference to home electronic entertainment equipment (HEEE), such as television or radio receivers," the FCC said. The FCC made observations of the communications conducted at the power usually used by the station, and then made similar observations with power reduced by one-half or more.

The findings of the study are:

- * 75% of the stations experienced no degradation in communications capability when the power was reduced by 1/2 or more. Often this meant going from 100 W down to 40 W, according to Jeffrey Young of the Enforcement Division.
- * Lower power resulted in reduced interference to home entertainment equipment in 1/3 of the 31 RFI cases. "We were surprised that reducing the power that much had so little effect," Young said. "Reducing power takes you only so far."
- * 70% of the amateur operators interviewed stated that their stations normally transmit with less than 200 W of transmitter power. Approximately 2/3 of the stations reported to be the source of interference were transmitting with 100 W or less.

"We were surprised by the low power being used," Young said. "We expected to see more amplifiers in use at stations. This is of course a small sample, not a super-scientific study. It's an indicator. All field offices participated, so we did get at least a national picture."

The conclusions of the study are:

- * Most amateur stations are not operating at minimum power as required by section 97.313(a). This is true even though the stations studied are operating at less power than was expected, Young said.
- * Reduced power can alleviate significant reception interference problems without degradation in communications capabilities.

The way the FCC measured degradation in communications caused by lower power was to record the number of times the operator on the other end of

Inspection continued

the QSO complained of "no copy" or asked for repeats. Inspectors counted these complaints on a per-minute basis

* In addition to reducing transmitter power, other remedies such as transmitter or receiver filtering may be required to eliminate interference.

Finally, we asked Young why the FCC doesn't seem to use its Congressionally-granted authority to enforce RF interference susceptibility rules for consumer products. He answered our question, although he clearly stated that this does not necessarily represent his own or the Commission's opinion:

"Doing the public interest often means doing what most people want. My feeling is that there's a trade-off. It may cost five dollars per TV set to reduce susceptibility to the point where it would make a big difference for hams. So it's a question of economics. Also, the Amateur Radio Service is not a safety service or a service on which someone's life depends. It's a hobby service."

"If the power limits for the Business Radio Service were as high as they are for amateur stations, and if their frequencies were similar, then you would see a very much different response from this agency. Those would be [business radio] stations you can't shut down. "If somebody made the point that it might cost one or two dollars per set to reduce susceptibility, that might push them [the FCC] over."

FCC Field Operations Bureau On "Power"

We spoke briefly on Friday, April 5th, with Dick Smith, FCC's Field Operations Bureau Chief concerning the results of the amateur power survey. We asked him "How does an amateur know how much power to use when making a contact?"

He said "...a combination of things would help the amateur to reach a decision on operating power levels. One is his experience with prior contacts under similar conditions. Adjustments can be made based on current conditions to compensate for things like changes in propagation. Experimentation; attempt to establish communication at a lower power ...and increase it if necessary.

"We need to call attention to the power rule and the fact that this (minimum power) rule does exist. Some attempt should be made to comply with it. Amateurs need to determine if they are operating at a power level that is more than needed. The whole purpose of this episode is to provide an awareness to the amateur that this is something they should pay attention to. Think of it as an educational effort. We are also providing the Private Radio Bureau with a copy of the results for any action they deem appropriate.

"We did not issue any sanctions, NALs or fines having to do with these power surveys. The NAL (\$225 fine) issued to Tom Owens, K7RL (Seattle) was for violations observed during pre-inspection monitoring ...before any contact was made with Owens by the FCC. He was not cited for anything that

Inspection

occurred during the inspection. You also mentioned Wayne Hudson, KT7G in your (last report). His station was selected because of past TVI problems."

From : NSPCA @ KG5QH.#WIX.IX.USA.NA
 To : ARES @ ALLUS
 Date : 910409/1724
 Msgid : BH 4169@KG5QH, 3684@KL7AA \$4169<KG5QH
 Subject : Are you ready for an ARES net?
 Path : KL7HFI!NL7NC!NL7NC!AA6QD!K6T2!K6IYK!WA3CAQ!K6UE!KB6RAA!KAOWIN!WOLKD!L
 OAJG!KASRYF!WSERO!KG5QH

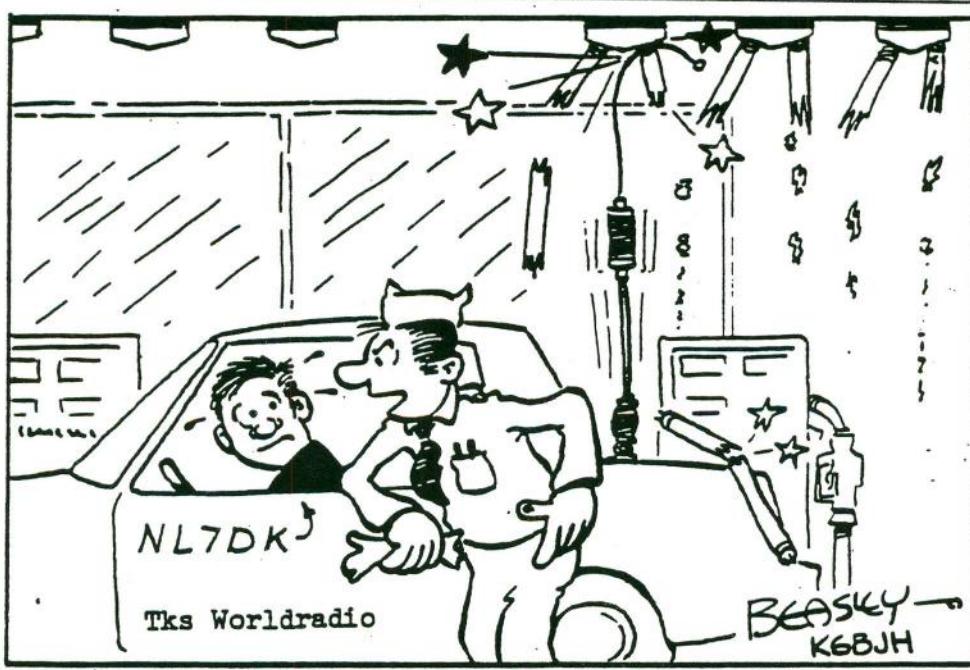
By: David Kent (NSOUY)

Before you check into the SKYWARN or other VHF Emergency Communications nets, make sure you can answer these questions affirmatively:

1. Have you had the appropriate training and/or refreshers within the last 12 months?
2. Are you completely familiar with your radio equipment, to the point that you can operate it in the dark and in stressful situations?
3. Does it put out at least 3 watts? AND do you have an outside antenna for it?
4. Are you ready to follow Net Control's instructions RIGHT NOW?

Until you can answer 'YES' to all these questions, you SHOULD NOT check in to an emergency net.

----- End of message 3743 from KL7IKX to KL7AA. -----



THAT'LL BE TEN BUCKS FOR THE GAS AND TWENTY FOR
 THE FLUORESCENT LAMPS.

ANCHORAGE AMATEUR RADIO CLUB, INC.
Post Office Box 101987
Anchorage, Alaska 99510-1987

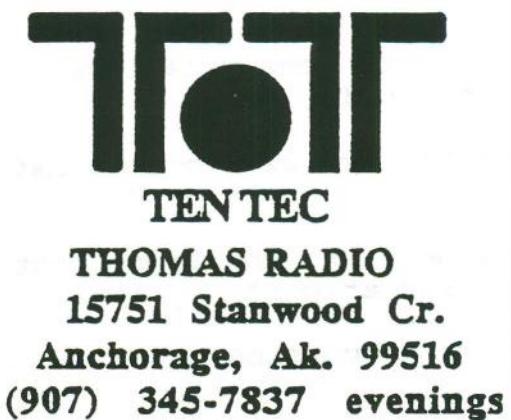
Address Correction Requested

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BIG LAKE AK 99652



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Anchorage, Alaska 99518
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Res: (907) 346-2900

March 1991 146.34/.94 Repeater Stats

TOTAL Phone Patches - 90

TOTAL Emergency Patches - 10

TOTAL Repeater user time - 45 hours

Main receiver requires 100 hz sub-tone

Remote Receiver has standard noise squelch

From KL7IKX - Doug UHF Committee